CONTRACT PLANS SEG 2B NOISE WALLS NOISE WALL 6

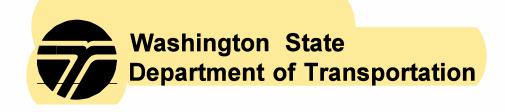
I-405 MP 10.62 TO MP 10.82

I-405; RENTON TO BELLEVUE WIDENING AND EXPRESS TOLL LANES PROJECT

VOLUME 8
WSDOT RFC

KING COUNTY

		Date
Originated By:	MGH	1/4/22
Checked By:	WPM	1/4/2022
Backchecked By:	NA	NA
Corrected By:	NA	NA
	NA	NA
Verified By: _		



VOLUME 8

REV NO.	REV.	SUB. NO. PLAN REF NO.	SHEET TITLE	SHEET DESCRIPTION	REV NO.	REV. DATE	SUB. NO	PLAN REF NO.	SHEET TITLE	SHEET DESCRIPTION
B		W109 2	RETIANING WALL DETAIL	WALL 13.25L (2 OF 2)	B			NW3 1	NOISE WALL PLAN AND PROFILE	CONCRETE PROTECTIVE FENCE (1 OF 2)
В		W110 1	RETAINING WALL PLAN AND PROFILE	WALL 13.26L (1 OF 2)	В			NW3 2	NOISE WALL PLAN AND PROFILE	CONCRETE PROTECTIVE FENCE (2 OF 2)
В		W110 2	RETIANING WALL DETAIL	WALL 13.26L (2 OF 2)	В			NW4 1	NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (1 OF 7)
В		W111 1	RETAINING WALL PLAN AND PROFILE	12.35L (1 OF 3)	В		_	NW4 2	NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (20F 7)
B		W111 2	RETAINING WALL PLAN AND PROFILE	12.35L (2 OF 3) 12.35L (3 OF 3)	B			NW4 3	NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (3 OF 7)
B		W111 3	RETIANING WALL DETAIL		B			NW4 4	NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (4 OF 7)
B		W112 1	RETAINING WALL PLAN AND PROFILE	12.35R (1 OF 3)	B			NW4 5	NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (5 OF 7)
B		W112 2 W112 3	RETAINING WALL PLAN AND PROFILE	12.35R (2 OF 3) 12.35R (3 OF 3)	В			NW4 6 NW4 7	NOISE WALL PLAN AND PROFILE NOISE WALL PLAN AND PROFILE	NOISE WALL EAST 11 (6 OF 7) NOISE WALL EAST 11 (7 OF 7)
В		W112 3 W113 1	RETIANING WALL DETAIL RETAINING WALL PLAN AND PROFILE	13.00R (1 OF 2)	В	 		NW4 8	GRADE BEAM DETAILS	NOISE WALL EAST 11 (7 OF 7)
В		W113 1 W113 2	RETIANING WALL PLAN AND PROFILE	13.00R (1 OF 2)	В	 	+	NW4 9	GRADE BEAM DETAILS	NOISE WALL EAST 11 NOISE WALL EAST 11
В		W113 2 W114 1	RETAINING WALL DETAIL RETAINING WALL PLAN AND PROFILE	12.40ABUT (1 OF 2)	0	X 1/5/2022	2004	NW6 0	GENERAL NOTES	NOISE WALL 6
В		W114 1	RETIANING WALL PEAN AND PROFILE	12.40ABUT (2 OF 2)	0	X 1/5/2022		NW6 1	NOISE WALL PLAN AND PROFILE	NOISE WALL 6 (1 OF 5)
В		WD 1	RETAINING WALL TYPICAL DETAILS	PEDESTRIAN FENCE	0	X 1/5/2022		NW6 2	NOISE WALL PLAN AND PROFILE	NOISE WALL 6 (2 OF 5)
В		WD 2	RETAINING WALL TYPICAL DETAILS	FALL PROTECTION FENCE	0	X 1/5/2022		NW6 3	NOISE WALL PLAN AND PROFILE	NOISE WALL 6 (3 OF 5)
В		WD 3	RETAINING WALL TYPICAL DETAILS	FENCE BASE AND CONNECTIONS	0	X 1/5/2022		NW6 4	NOISE WALL PLAN AND PROFILE	NOISE WALL 6 (4 OF 5)
В		WD 4	RETAINING WALL TYPICAL DETAILS	PRECAST/CIP CONCRETE	0	X 1/5/2022		NW6 5	NOISE WALL PLAN AND PROFILE	NOISE WALL 6 (5 OF 5)
В		WD 5	RETAINING WALL TYPICAL DETAILS	PRECAST/CIP CONCRETE	0				NOISE WALL DETAILS	NOISE WALL WEST 6
В		WD 6	RETAINING WALL TYPICAL DETAILS	WALL DRAINS	0	X 1/5/2022		NWD6 2	NOISE WALL DETAILS	NOISE WALL WEST 6
В		WD 7	RETAINING WALL TYPICAL DETAILS	WALL DRAINS	0	X 1/5/2022	2004	NWD6 3	CONCRETE PROTECTION FENCE DETAILS	NOISE WALL WEST 6
В		WD 8	RETAINING WALL TYPICAL DETAILS		0	X 1/5/2022		NWD6 4	NOISE WALL DETAILS	NOISE WALL WEST 6
В		WD 9	RETAINING WALL TYPICAL DETAILS		A			NW7 1	NOISE WALL PLAN AND PROFILE	NOISE WALL WEST 5 ON WALL 7.75L
В		WD 10	RETAINING WALL TYPICAL DETAILS		A	11		NW7 2	NOISE WALL PLAN AND PROFILE	NOISE WALL WEST 5 ON WALL 7.75L
Α		WD 11	MOMENT SLAB TYPICAL DETAILS	AT GRADE	1					
Α		WD 12	MOMENT SLAB TYPICAL DETAILS	ON WALL	1					
Α		WD 13	MOMENT SLAB TYPICAL DETAILS	DETAILS (1 OF 2)						
A		WD 14	MOMENT SLAB TYPICAL DETAILS	DETAILS (2 OF 2						
B		NWD 1	NOISE WALL	SECTIONS AND DETAILS						
B		NWD 2	NOISE WALL	SECTIONS AND DETAILS						
Α		NWD 3								
Α		NWD 1-1	NOISE WALL EAST 10(1) AND 10(2)	PRECAST SECTIONS AND DETAILS						
A		NWD 1-2	NOISE WALL EAST 10(1) AND 10(2)	PRECAST CAP DETAILS						
A		NWD 1-3	NOISE WALL EAST 10(1) AND 10(2)	PRECAST SECTIONS AND DETAILS						
Α		NWD 1-4	NOISE WALL EAST 10(1) AND 10(2)	PRECAST SECTIONS AND DETAILS						
Α		NWD 1-5	NOISE WALL EAST 10(1) AND 10(2)	PRECAST SECTIONS AND DETAILS						
Α			NOISE WALL EAST 10(1) AND 10(2)	DRILLED SHAFT SCHEDULE						
Α			NOISE WALL EAST 10 - CPF	NOISE WALL DETAILS						
Α		NWD 4-1	NOISE WALL DETAILS-23'-0" MAX. EXP. WALL	NOISE WALL EAST 11						
Α		NWD 4-2	NOISE WALL DETAILS-19'-6" MAX. EXP. WALL	NOISE WALL EAST 11						
Α	1		NOISE WALL DETAILS-12-0" MAX. EXP. WALL	NOISE WALL EAST 11	↓			\bot		
Α			NOISE WALL DETAILS MAX HEIGHT 22'-0"	NOISE WALL EAST 11	↓ 					
A	1		NOISE WALL DETAILS MAX HEIGHT 22'-0"	NOISE WALL EAST 11	↓ 	\vdash		+		
A	1		NOISE WALL DETAILS MAX HEIGHT 32'-4"	NOISE WALL EAST 11	↓ 	 		+	<u> </u>	
A			NOISE WALL DETAILS MAX HEIGHT 32'-4"	NOISE WALL EAST 11	┨	 		+ +	<u> </u>	
A			NOISE WALL DETAILS	NOISE WALL EAST 11 NOISE WALL EAST 11	┨	 		+ +	<u> </u>	
A			NOISE WALL DETAILS NOISE WALL DETAILS	NOISE WALL EAST 11	┨					
A	-		NOISE WALL SHAFT SCHEDULE		┨ ┣━━━		+	+		
A		NWD 5	INDISE WALL SHAFT SCHEDULE	NOISE WALL EAST 11	┨	\vdash		+		
A		NWD 6	+		┪	 	+	+		
B	1		NOISE WALL DETAILS	NOISE WALL WEST 5(1)	1 —	 		+ +		
В		NWD 7-1	NOISE WALL DETAILS	NOISE WALL WEST 5(1)	┨ ├──	 		+ +		
В	+	NWD 7-2	NOISE WALL DETAILS	NOISE WALL WEST 5(1)	1 —	 		+ +		
В		NW1 1	NOISE WALL PLAN AND PROFILE	NOISEWALL EAST 10 (1) (1 OF 2)	1	H		+ +		
В		NW1 2	NOISE WALL PLAN AND PROFILE	NOISEWALL EAST 10 (1) (2 OF 2)	1	H		+ +	<u> </u>	
В		NW2 1	NOISE WALL PLAN AND PROFILE	NOISEWALL EAST 10 (2) (1 OF 2)	1 🖯	 		+ +		
B	1	NW2 2	NOISE WALL PLAN AND PROFILE	NOISEWALL EAST 10 (2) (1 OF 2)	1 🖯	 		+ +		
				. 7					1	
ISSUE DA	ATF IS	SSUE RECORD - DESCRIPT	ION DESIGNED BY ENTERED BY	CHECKED BY DESIGN MANAGER: REGION NO. STATE					T	
			2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	NO.	1				Washington State	I-405

NC). ISSUE DATE	ISSUE RECORD - DESCRIPTION	DESIGNED BY	ENTERED BY	CHECKED BY	DESIGN MANAGER:	REGION NO. NO.	STATE	
							10	WASH	
									1
							CONTRAC	T NO.	1



RENTON TO BELLEVUE
EXPRESS TOLL LANES

IN08-2

INDEX OF SHEETS - VOL 8

GENERAL NOTES

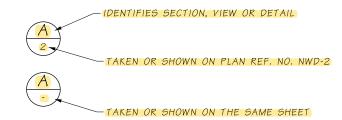
- 1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION", ENGLISH UNITS, DATED 2018 AND AMENDED JANUARY 7, 2019.
- 2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "AASHTO LRFD" BRIDGE DESIGN SPECIFICATIONS", EIGHTH EDITION 2017. USING WIND DESIGN EXPOSURE CATEGORY B AND SEISMIC DESIGN CATEGORY D, SITE CLASS D, AND THE FOLLOWING ACCELERATION PARAMETERS:

PARAMETER	SAFETY EVALUATION EARTHQUAKE (SEE)	FUNCTIONAL EVALUATION EARTHQUAKE (FEE)
PEAK GROUND ACCELERATION, PGA	0.422	0.198
SITE-ADJUSTED PEAK GROUND ACCELERATION, As	0.497	0.278
0.2 SEC SPECTRAL ACCELERATION, So	0.959	0.447
1.0 SEC SPECTRAL ACCELERATION, S1	0.278	0.108

- 3. THIS STRUCTURE HAS BEEN DESIGNED WITH GEOTECHNICAL ENGINEERING REPORT: SOLDIER PILE WALL 10.35L AND NOISE WALL 6.
- 4. THE CONCRETE FOR THE NOISE WALLS SHALL BE CLASS 4000.
- 5. UNLESS OTHERWISE SHOWN ON THE PLANS, CONCRETE COVER MEASURED FROM FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCEMENT STEEL SHALL BE 3 INCHES AT THE BOTTOM OF THE FOOTINGS AND 2 INCHES AT ALL OTHER LOCATIONS.
- 6. THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE STRUCTURES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO EXCAVATING.
- 7. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE.
- 8. REINFORCING BARS SHALL CONFORM TO ASTM A706 GRADE 60 UNLESS OTHERWISE NOTED.
- 9. THE FOLLOWING NOTES ARE FROM THE GEOTECHNICAL ENGINEERING REPORT: SOLDIER PILE WALL 10.35L AND NOISE WALL 6:
- NOISE WALL 6 AND THE CONCRETE PROTECTION FENCE FOUNDATION CONSTRUCTION SHALL HAVE SPECIAL INSPECTION BY A GSI TO VERIFY THAT FOUNDATION BEARING SOILS ARE SUITABLE FOR SUPPORT OF FOUNDATIONS BASED ON THE TYPES OF SOILS FOR WHICH DESIGN RECOMMENDATIONS ARE MADE.
- THE EXPOSED SOILS SHALL BE OBSERVED BY A DESIGNATED REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER FOR UNIFORMITY AND CONSISTENCY WITH CONDITIONS ASSUMED FOR DESIGN. A T-PROBE WILL BE USED TO EVALUATE THE FOOTING SUBGRADE. IF, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, CONDITIONS ARE WORSE THAN INDICATED BY THE BORINGS USED FOR DESIGN, EITHER THE DESIGN OR THE SITE PREPARATION WILL BE MODIFIED, DEPENDING ON THE LEVEL OF THE VARIANCE. RESULTS OF THE OBSERVATIONS AND BEARING SURFACE PROBING WILL BE SUMMARIZED IN A DAILY FIELD REPORT.

LEGEND

SOIL BORING ROCK QUARRY SPALLS DITCH LINE OVERHEAD POWER - EXISTING 77/7/77 RIGHT OF WAY - ST — — STORM SEWER - EXISTING - ST ---STORM SEWER - PROPOSED



\\AMECPW03ICS01\iCS_pdf_work_dir\7654\9335_425\XL5467_PP_NW6-0.dgn Design Mgr: BRIAN BELL RELEASE FOR CONSTRUCTION RECORD GION STATE FED. AID. PROJ. NO. SHEET TOTAL Designed By: BRIAN DURKIN 10 WASH Checked By: JOB NUMBER Detailed By: RICHARD KAPUNGU XL5467 Current Revision By: MICHAEL HARDING CONTRACT NO. Date: 1/6/2022 C9242 5:59:45 PM DESCRIPTION DATE NO





I-405; RENTON TO BELLEVUE WIDENING AND EXPRESS TOLL LANES PROJECT

NW6-0

SHEETS

GENERAL NOTES NOISE WALL 6

DATE

